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TOBACCO INDUSTRY RESEARCH COMMITTEE
350 FIFTH AVENUE NEW YORK 1, N. Y.

Application For Research Grant

Date: January 10, 1955

1. Name of Investigator: Henry K. Wachtel, M.D.

2. Title: Scientific Director and President

3. Institution & Address: Chemical Hormone Corporation
670 Lexington Avenue
New York 22, New York

4. Project or Subject: Investigations concerning the relations existing between cancer disease and hormonal disturbances of the pituitary gland.

The enclosed reprint from Experientia and the booklet, "The Role of the Pituitary in Cancer" review the studies already undertaken and include the references thereof.

5. Detailed Plan of Procedure (Use reverse side if additional space is needed):

A. The carcinogenic factor isolated from the pituitary gland, and reported in 1946 in Science (see the enclosed reprint), has been obtained in crystalline form. A single subcutaneous injection of 8 mg. of crystals dissolved in 0.2 cc se sesame oil provokes cancer in the mouse within a period of about 3 months, following the injection.
The crystals may be usually obtained in larger quantities. The average yield is about 0.015 mg from 1 pituitary gland of cattle.

The crystals will be tested concerning their carcinogenic properties on rabbits and dogs. A quantity of the crystals will be furnished to investigators indicated by the Committee for their studies.

Investigations will be undertaken to purify the crystals, with the view of establishing their chemical formula.

B. The hormonal factor of the pituitary gland which in normal conditions prevents the carcinogenic action of the above-mentioned crystals and which in therapeutic tests reverses the trend of the disease was also obtained in crystalline form and was named Antineol. It is a steroid. Its usefulness in cancer therapy will be tested in a reputable hospital. If the Committee agrees to sponsor such tests, a joint application with the Hospital investigators will be filed.

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6. Budget Plan:

The subject "A" will require $24,000. The subject "B" will require $18,000.

Salaries	
Expendable Supplies	
Permanent Equipment	
Overhead	
Other	
Total	

7. Anticipated Duration of Work:

Six months for Subject "a"; 12 months for Subject "B".

8. Facilities and Staff Available:

For Subject "A", all facilities and staff of biochemical and experimental laboratories, including animal research facilities.

For Subject "B: all the facilities of a modern hospital.

9. Additional Requirements:

The above project will firmly establish the cause of cancer to be connected with hormonal disturbances of the pituitary gland, and will demonstrate the futility of theories which suspect the origin of cancer to be from virus infection, tobacco smoking, and other hypothetical agents.

10. Additional Information (Including relation of work to other projects and other sources of supply):

Signature _____
Director of Project
HENRY K. WACHTEL, M.D.

_____
Business Officer of the Institution

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